

What is claimed is:

1. A projection display system for projecting images from a projector onto a projection surface, comprising:

a front-projection projector; and

5 a projector installation fixture for detachably mounting said front-projection projector on a furnishing in a room where said projector is to be used or a component of the room.

2. A projection display system according to claim 1, wherein said projector has an optical system including an aspherical mirror at a final stage thereof.

3. A projection display system according to claim 1, wherein said furnishing comprises a table or a desk, and said projector installation fixture can be mounted on a side end of an upper surface panel of said table or said desk.

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4. A projection display system according to claim 3, wherein said projector installation fixture is arranged to install said projector such that at least a main projector unit thereof is positioned beneath an upper surface of said upper surface panel.

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5. A projection display system according to claim 1, wherein said component comprises a partition defining said room, and said projector installation fixture is mounted on an upper end of said partition to suspend said projec-

tor from the upper end of said partition for projecting images onto the projection
5 surface on said partition.

6. A projection display system according to claim 1, wherein said
component comprises a wall including a partition defining said room, and said
projector installation fixture is mounted on an upper portion of a wall surface of
said wall suspend said projector from the upper portion of the wall surface for
5 projecting images onto the projection surface on said wall surface.

7. A projection display system according to claim 1, wherein said
projector installation fixture comprises a first member adapted to be mounted
on said projector and a second member adapted to be mounted on said fur-
nishing or said component, said first member and said second member being
5 integral with each other.

8. A projection display system according to claim 7, wherein said
first member comprises an L-shaped member for placing said projector
thereon, and said second member comprises a channel-shaped member for
inserting therein a portion of said furnishing or said component on which said
5 projector is to be mounted.

9. A projection display system according to claim 8, wherein said
projector installation fixture further comprises a slip prevention member at-
tached to an inner surface of said channel-shaped member.

10. A projection display system according to claim 8, wherein
said projector installation fixture further comprises a fixing fitting having a
threaded structure for varying a gap in said channel-shaped member if said
gap is greater than the thickness of said portion of said furnishing or said com-
5 ponent on which said projector is to be mounted.

11. A projection display system according to claim 8, wherein
said first member has a turning member angularly movable between a horizon-
tal position and a vertical position, the arrangement being such that said turning
member is angularly moved into said horizontal position to provide said L-
5 shaped member when said projector is to be placed thereon.

12. A projection display system according to claim 1, wherein
said projector installation fixture comprises a first projector installation fixture
adapted to be mounted on said projector and a second projector installation fix-
ture adapted to be mounted on said furnishing or said component, said second
5 projector installation fixture being separable from said first projector installation
fixture.

13. A projection display system according to claim 12, wherein
said first projector installation fixture has an L-shaped member for placing said
projector thereon, and said second projector installation fixture has a channel-
shaped member for inserting therein a portion of said furnishing or said com-
5 ponent on which said projector is to be mounted.

14. A projection display system according to claim 13, wherein said second projector installation fixture further comprises a slip prevention member attached to an inner surface of said channel-shaped member.

15. A projection display system according to claim 12, wherein said first projector installation fixture has a downwardly directed U-shaped member, and said second projector installation fixture has an opening for inserting therein said downwardly directed U-shaped member of said first projector installation fixture, said opening being defined by a plate which is engageable in an opening in said downwardly directed U-shaped member for joining said first projector installation fixture and said second projector installation fixture to each other.

16. A projection display system according to claim 15, wherein said first projector installation fixture has a plurality of said downwardly directed U-shaped members.

17. A projection display system according to claim 15, wherein said second projector installation fixture has a plurality of said openings defined therein at different heights.

18. A projection display system according to claim 12, wherein said first projector installation fixture and said second projector installation fixture have respective slidable joint members engageable with each other.

19. A projection display system according to claim 18, wherein said slidable joint members of said first projector installation fixture and said second projector installation fixture comprise a pair of L-shaped rails mounted on either one of said first projector installation fixture and said second projector installation fixture, and protrusions mounted on the other one of said first projector installation fixture and said second projector installation fixture, for sliding movement in a space surrounded by said L-shaped rails.

20. A front-projection projector of a projection display system for projecting images onto a projection surface, having:
a projector installation fixture for detachably mounting said projector on a furnishing in a room where said projector is to be used or a component of the room.

21. A front-projection projector according to claim 20, wherein said projector installation fixture has an L-shaped member for placing said projector thereon.

22. A front-projection projector according to claim 20, wherein said projector has an optical system including an aspherical mirror at a final stage thereof.

23. A front-projection projector according to claim 20, wherein a support-side installation fixture is mounted on the furnishing in the room where said projector is to be used or the component of the room, and said projector

installation fixture and said support-side installation fixture have respective
5 means for being detachably engageable with each other.

24. A front-projection projector according to claim 23, wherein
said projector installation fixture has a downwardly directed U-shaped member,
and said support-side installation fixture has an opening for inserting therein
said downwardly directed U-shaped member of said projector installation fix-
5 ture, said opening being defined by a plate which is engageable in an opening
in said downwardly directed U-shaped member for joining said projector instal-
lation fixture and said support-side installation fixture to each other.

25. A front-projection projector according to claim 23, wherein
said projector installation fixture and said support-side installation fixture have
respective slidable structures slidably engageable with and disengageable from
each other.

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